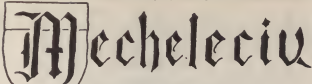


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G.W.U. ENGINEERS MONTHLY



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VOL. V NO. II

WASHINGTON, D.C.

NOVEMBER, 1945

FUNDS COMMITTEE

Frank A. Howard, who has given the School \$5000 for a Lectureship in Industrial Research, has accepted the position as Chairman of a Committee for Raising Funds for the School of Engineering. No other members of this committee will be named until after February 22.

Mr. Howard has headed committees gathering funds for some of the wartime needs of the country. It would seem that the School is on a definite upward swing.

The Lectureship in Industrial Research is tentatively scheduled to start on February 21.

ENROLLMENT

The School this fall registered a freshmen class more than twice the size of any in recent years. The total registration is now approximately 325 with some 100 more veterans expected by February. Of these, a higher percentage are full time students, accounting for the congestion in many of the day classes.

This condition may be helped out in the not so distant future, because the University is planning a new Physics and Chemistry building which will leave all of Corcoran Hall to the Engineers.

WAR LEAVES LAB

On the cease of the special war courses, ESMWT, the School finds itself with a radio laboratory valued at around \$40,000.

The ESMWT courses have trained approximately 38,000 men since their start, indeed a credit to the University, the School, and Prof. Hitchcock, Director.

MIXER CLIMAXES REGISTRATION LARGEST SINCE BEFORE WAR

METALLURGY

Dr. Johnson, Director of the Mechanical Engineering Department, is preparing a Metallurgy lab with between 15 and \$20,000 worth of equipment, including furnace, spectroscope, and photographing equipment. The lab is being set up on the first floor of the ME building.

The largest number of students since prewar days turned out for the annual Fall Mixer on October 10. Sponsored by the Engineer's Council, under the leadership of Dan Andrich, President of the Council, the Mixer was directed by Rudolph (Duffy) Gareau.

President Cloyd H. Marvin of the University gave an account of the war activities of the technical branches of the University. President Marvin brought out that although we had never maintained uniformed units such as V-12 on the campus, the University had been the 'middle man' in getting the great physical minds of the world together that ultimately brought about the atomic bomb, and our laboratories, located in West Virginia, were responsible for technological improvements in warfare ranging from a highly efficient new mortar to rocket projectiles with powder charges "as large as my torso".

The program continued with the introductions of the heads or the acting heads of the three departments in the School. Dr. Johnson, recently returned first man in the ME department, reminded us that Engineers have nothing to be ashamed of in this world, because we are building it. We need take a back seat to no one. Professor Akers, acting head of the EE's, took issue with President Marvin's statements on how well the technical men had done with regard to furthering this civilization, by stating that "Engineers have done a miserable job," qualifying his words by pointing out that not a single technical man

(Continued Page 2)

CALENDAR

November

- 7 Society meetings
- 14 Engineer's Council
Theta Tau - short
- 21 Sigma Tau - long
- 22 Thanksgiving recess
- 28 Theta Tau - long

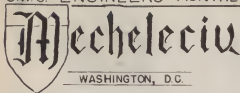
December

- 5 Society meetings
- 12 Engineer's Council
Theta Tau - short
- 19 Sigma Tau - long
- 24 Christmas Recess

January

- 2 Society meetings
- 9 Engineer's Council
Theta Tau - short
- 16 Sigma Tau - long

(Continued Page 4)



The MECHELECIV is put out monthly by the undergraduates of the School of Engineering of George Washington University. It is prepared at 1629 North Oak Street, Arlington, Virginia, Chestnut 3021 and may be reached at this address.

Editor-in-Chief...Stuart Beatson
Assoc. Editor....Harmon Holcomb

Columnists

LE and You.....Ben Sorin
Short Circuits..Alfred Albert
A.S.C.E.....Haaren Miklofsky
Theta Tau.....Alfred Barauck
Sigma Tau.....John Doane

EDITORIAL

Whether or not the editorial in the last issue of the MECHELECIV helped bring out the crowd to the MIXER or not makes little difference, we were glad to see such a splendid turnout.

Now that you have met the School, how about jumping into some of its activities other than studies. Join a society this Wednesday; join the staff of the MECHELECIV; get to know your fellow students.

Incidentally, this staff is at an absolute minimum. We find it hard to believe that out of a circulation of 1000, less than ten are interested enough to help or even drop us a joke or criticism (both are always welcome. Remember the box is just outside the door of the Dean's Office.

Positions open include photographers, artists, typists, advertising manager, circulation manager, and general reporters. If you just haven't the time, let us in on any of your ideas or experiences with this type of publication.

(Continued from Page 1)

was invited to the San Francisco Conference, and that it was our own fault for not making ourselves felt in political and economic circles. Professor Walther, Assistant to the Dean and speaking for the CE's, welcomed the new "customers" to the School, and looks forward to the rise of the School and profession in the near future.

The high point of the evening occurred when George A. Kilpatrick, last year's President of the Engineer's Council, recently graduated, presented a framed document to Dean Feiker, on behalf of the Class of 1945 and signed by the graduates, stating their appreciation for his understanding and guidance through their four academic years in the School. The Dean was obviously deeply moved as was the entire audience.

The inscription reads "The class of 1945, School of Engineering of the George Washington University, takes this means of expressing its profound admiration and deepest appreciation to its beloved leader."

Student leaders in the School were also introduced: Bob Kemelhor, American Society of Mechanical Engineers; David Carlson, American Institute of Electrical Engineers; Haaren (Micky) Miklofsky, American Society of Civil Engineers; Alfred Barauck, Theta Tau; John Doane, Sigma Tau and Stuart Beatson, MECHELECIV.

After the introductions were complete, the group split in three for short individual meetings of the CE's, ME's, and EE's to discuss their plans for the coming year.

Following the meetings, the group reconvened for movies which were topped off with coffee, donuts and cigarettes.

George Conrad, Theta Tau and former EE instructor, is now working here in town laying out ground antennas for radio stations.

ENGINEERS^{and} PEOPLE

David Carlson

Dave Carlson is another of the stand-byss of the School. He was born at early age in New York City where he recieved his education through high school. After high school, Dave went into the printing business and later worked for the A.S.C. Elevator Company.

In February of 1937, he came to Washington to work for the Government, where he is still employed in the Navy Bureau of Ships, Shore Facilities, Machine Tools, planning equipment for bases and Navy tenders.

George Washington became Dave's extra work activity in the fall of 1938 and since then, he has been one of the 'wheel horses' of the School. Having just finished a year as Treasurer of Theta Tau, Brother Carlson is now President of the American Institute of Electrical Engineers, not to mention considerable length of time on the Engineer's Council.

Dave, like so many of the 'reliables' in the School, has a better half. He keeps his activities pretty well rounded out by playing soft ball, golf and with the Navy Department, a rugged game of touch football. For a hobby, he has tropical fish. Though unobtainable during the war, plans are now being laid for an aquarium as only an EE major can do it.

Lt.(J.G.) Whit Beatson, Sigma Tau, is back in the States after nine months in India. He is now out of mines and into Navy Surplus Material Disposal with his headquarters in Philadelphia.

Lt. Cliff Williamson, Theta Tau, who has been with the 15th Air Force in Italy is now back in the School.

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Weather: clear; roads: fast; off time: 0805.

We're on our way to Martinsburg, West Virginia with the Materials class to visit a cement plant. This may be a CE course, but a cross-section of our car-load shows a majority of ME students. Pulling out of Falls Church, thriving metropolis of the South, we discussed ASCE plans and business. Pictures of the ME group at the mixer are posted on the bulletin board. Have you ordered your copy yet? The first meeting or the year on November 7. A great future for a great organization including guest speakers, student papers, and interesting field trips. If you haven't joined the ASCE yet, what are you waiting for?

Outside of Leesburg we came across some road construction. Being student Engineers, needless to say, we did not stop to see if we could learn anything. You have undoubtedly heard of the theory of wind resistance at fairly high speeds. The manner in which our car was weaving from one side of the road to the other seems to give credence to the theory. Frankly, I was questioning my gastronomic ability to take all this motion. As we passed through Charles Town, we took a fast vote whether or not we should continue to the cement plant or stay for the races. Higher education triumphed only because the race track was not yet open for business.

We finally arrived at the plant, the Standard Lime and Stone Company. After being issued safety helmets and goggles, making us look like men from Mars, our guide took us into the limestone mine; 400 feet down into the bowels of the earth, walking all the way. Here we watched the working of the limestone beds. First comes the drilling, then blasting, scaling and finally the loading. The stone is then hauled to the outside world for crushing and further handling. About two hours and twenty pair of sore feet later, we reached the outside of the mine.

Lt. Clifton Williamson of the 15th Air Force will be the guest speaker for the EE's this Wednesday. His subject will be "Direction Finding Stations" and Lt. Williamson (GT) is expected to give a little inside information on the long hushed secrets of radar, as well as a few personal experiences while on duty in Italy.

Following Lt. Williamson's talk, the meeting will be open to discussion which will cover any questions of the audience.

At the meeting, final particulars for the coming outing with the Akers will be decided. The date, Wednesday, November tenth, has already been established; the liquid refreshments will be served, but hot dogs, rolls, and dates are on the bring your own basis. There will be a 25 cent fee for the soft drinks and the trimmings for the hot dogs.

The program of the Society for the year will include the presentation of student papers, as well as the alumni guest speakers. There will be prizes for the best student papers so get into the competition.

ME & You (Continued)

It was time for lunch, and we drove to the Shenandoah Hotel for a snack at the company's expense. Did I say snack? It was more like a banquet. After the company officials present were introduced, and there were eight of them, we were served tomato juice cocktail, roast turkey with dressing, creamy mashed potatoes, green peas, ice-cream for desert, and all the coffee you wanted to drink. Aren't you sorry that you missed the trip?

After lunch, we toured the cement plant. The limestone coming from the mine and quarry is used for making lime, cement, commercial stone and steel mill fluxing stone. In the plant, there are five kilns making lime and cement. We saw the raw mills grinding limestone and shale with water in the first step in the making of cement. These materials are carefully mixed to

The Civil Engineering chapter started off with a bang this semester. The first meeting was incorporated as part of the annual Mixer, at which time a resume was presented of its last years activities.

This year it is planned to have a number of talks given and a number of pictures shown. At the meeting on November 7th, it is planned to present pictures of the construction of one of the large bridges in the United States.

We have several field trips in mind for Saturdays, for which details are being completed now. While we do not expect these to take us out of the corporate limits of Washington, there are many things of interest in this city. The first one we have in mind is a trip to a nearby structural steel plant. We expect to observe some of the new construction jobs that are being started now that the war is over. At the next meeting, we hope to get some ideas from the members present as to just what activities they prefer.

All Civil Engineering and Bachelor of Science students are welcome to attend.

ME & You (Continued)

secure a definite chemical composition. The product here is known as slurry and goes to the kilns for burning. The kilns we saw at the firing floor were making lime and cement clinker. The kiln reaches a temperature of 2800°F. Finely powdered coal is used to supply heat. Next we came to the finish mills where the clinker is ground, with 3% gypsum, into cement. The mills are 7 X 26 feet in size and are charged with 45 tons of steel balls, and driven by 500 H.P. motors. From here the cement goes to storage silos to await sacking and shipment.

A visit to the chemical and physical laboratories followed by a short, but intensive tour of a brick manufacturing plant brought our day to a close.

It was swell. I think we all learned something; you should have been there.

THETA TAU

The forty-first birthday of Theta Tau was celebrated by Gamma Beta Chapter on October 13, with an initiation, banquet, and dance. Three men, Bernard Bernstein, John Doane, and Theodore Nelson were the initiates. Everything was tops though the absence of the Deacon (Col. Ames) was keenly felt. This was his second "miss" as he put it.

Brother Nick Toffolo added a P.S. to his "sorry, can't be there" letter. You guessed it; no more sowing of wild oats. He is engaged, but at this writing the exact day of the wedding is unknown.

Incidentally, for you fellows who missed the festivities, the banquet ended with a round table discussion on the subject of acquiring material for the Engineering School. When Dean Feiker pointed out the lack of space and plans prevented the acquisition of laboratory equipment. Brother Gus Millard, Lt.-Commander in the Navy, spoke up with the suggestion of getting surplus Quonset Huts which might be put up behind the Hall of Government. Regent Al Barauk brought the banquet to an end (on schedule by the way) with the promise that the active chapter would look into the matter. (Ed. note: Have you?).

The dance, as anyone present will say, was the most successful that Gamma Beta has ever had. There were tables, and the water flowed like wine or vice versa. The music, supplied by a section of Roy May's band, was better than any we have had in years.

The subject that comes up whenever a couple of Theta Taus get together is the pending arrival of Brother Ames who is due back about the end of this month. Plans are under way for a good old-fashioned party. The alumni will be in on it, so don't forget that there is something cooking.

Brother Al Albert passed around cigars; he's a new uncle. Brother John Doane is especially welcome into the Fraternity since he has such a nice wife. While Brother Bernstein was shaking a mean leg with my gal, his wife was staying home taking care of baby girl number two.

SIGMA TAU

Sigma Tau announces that its newest members are Bernard Bernstein, Stuart Bonwit, Bob Kautz, and Haaren Miklofsky who were initiated at the close of classes last spring.

Consideration is now being given to the resumption of coaching classes, interrupted by wartime conditions. While no definite plans have been formulated to date, any student who feels he (or she) needs help in an Engineering course is invited to write as soon as possible to Sigma Tau Fraternity in care of the University, stating the course with which he is having difficulty, and where he can be reached by a member of the Fraternity.

(Continued from Page 1)

February

- 6 Engineer's Council
Theta Tau - short
- 13 ENGINEER'S MIXER
- 16 ENGINEER'S BALL
- 20 Sigma Tau - long
- 27 Theta Tau - long

March

- 6 Society meetings
- 13 Theta Tau - long
- 20 Engineer's Council
Theta Tau - short
- 27 Sigma Tau - long

April

- 3 Society meetings
- 10 Engineer's Council
Theta Tau - short
- 17 Sigma Tau - long
- 24 Theta Tau - long

May

- 1 Society elections
- 4 ENGINEER'S BANQUET
- 8 Engineer's Council

SCHOOL DAZE

And there was the ME frosh who thought that steel wool was the fleece off of a hydraulic ram.

She: I'm simply wild about a yacht.
He: Er, how do you act on a motor boat.

A girl can be sweet when she wants.

Sleuth: Cut that out. Don't you know the deans are trying to stop necking?
C.E.: You don't say. Next thing you know they'll be trying to keep the rest of from necking, too.

A "sugar daddy" is a form of crystallized sap.

High heels are said to have been invented by a woman who had been kissed on the forehead.

Man with empty gas tank like to meet young blonde gasoline station attendant.
Object: A little fueling around.

"Up and atom," cried the molecule.

And then, of course there was the optician's daughter. Two glasses and she made a spectacle of herself.

"What's his position?"
"He's third assistant gues-ser in the weather bureau."

"My dad takes things apart to see why they don't go."
"So what?"
"You'd better go."

"Wish we had a fifth for bridge."

"You don't need a fifth for bridge, you dope!"
"Well make it a pint then."

Beneath the moon he told his love,
The color left her cheeks,
But on the shoulder of his coat,
It plainly showed for weeks.

"What a splendid fit," said the tailor as he carried the epileptic out of his shop.